

SYNERGY POLYTEK FZC

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GRADE LIST

Type	Grade	MFI (190°C, 2.16 Kg)	Density (23°C)	Flexural Modulus (Kg/cm ² , Mpa)	Tensile Strength at Yield (Kg/cm ² , Mpa)	Tensile Strength at Break (Kg/cm ² , Mpa)	Izod Impact Strength (Kg-cm/cm, J/m)	Elongation	ESCR (hr)	Vicat Softening Point	Hardness (Shore D)	UV Rating Base Polymer
		ASTM D1238	ASTM D792	ASTM D790	ASTM D638	ASTM D638	ASTM D256	ASTM D638	ASTM D1693	ASTM D1525	ASTM D2240	ASTM D2565
Butene C4	SP-S-3545	5	0.935	4300 / 420	165 / 16	175 / 17	20 / 196	600% (B)	> 150 Hr (A)	114 °C	66	4
Butene C4	SP-R-3645	4.5	0.936	6000 / 588	180 / 17.6	204 / 20	25 / 245	20 % (A)	> 500 Hr (A)	117 °C	55	4
Butene C4	SP-S-3935	3.5	0.939	4900 / 480	185 / 18	195 / 19	20 / 196	600% (B)	> 150 Hr (A)	119 °C	69	4
Butene C4	SP-Q-3650	5	0.936	7450 / 730	175 / 17	195 / 19	20 / 196	14 % (A)	> 50 Hr (B)	125 °C	58	8
Butene C4	SP-T-3605	5	0.936	6120 / 600	175 / 17	245 / 24	25 / 245	1000 % (B)	> 400 (B)	114 °C	56	8
Butene C4	SP-M-3940	4	0.939	7650 / 750	204 / 20	255 / 25	25 / 245	700% (B)	> 550 Hr (A)	118 °C	60	15
Butene C4	SP-T-3470	7	0.934	6120 / 600	185 / 18	165 / 16	20 / 196	700 % (B)	> 300 Hr (B)	111 °C	56	8
Butene C4	SP-H-3605	5	0.936	5300 / 520	185 / 18	245 / 24	50 / 490	650% (B)	> 350 Hr (B)	115 °C	65	4
Hexene C6	SP-Q-3935	3.5	0.939	5610 / 550	175 / 17	195 / 19	36 / 350	660% (B)	> 1000 Hr (A)	118 °C	60	8
Hexene C6	SP-T-3840	4	0.938	7650 / 750	204 / 20	255 / 25	50 / 490 (Partial Brk)	950 % (B)	>500 Hr (A)	118 °C	57	8
Hexene C6	SP-T-3832	3.2	0.938	7650 / 750	204 / 20	306 / 30	20 / 196 (No Break)	1000 % (B)	>1000 Hr (A)	118 °C	60	8
EPR Recycle	SP-R-3438	4	0.935	6000 / 588	153 / 15	165 / 16	20 / 196	350% (B)	>150 Hr (A)	114 °C	56	4

ESCR
A - 100% Igepal, F50
B - 10% Igepal, F50

ELONGATION - A - At Yield
B - At Break

UV - We provide Stabilisation package till UV 25.
Custom grind powders available on request.

Application List

Type	Grade	Water Storage Tank			Chemical Tank* ¹	Play Ground Equipments	Automotive Parts		Material Handling	Road Safety	Underground Applications	Insulated Application
		Upto 5000 Ltrs	5000-15000	15000-30000 ltrs			Interior/Exterior	Fuel Tank* ²				
Butene C4	SP-S-3545	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No	Yes
Butene C4	SP-R-3645	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No	Yes
Butene C4	SP-S-3935	Yes	Till 7500 ltrs	No	No	Yes	Yes	No	Yes	Yes	No	No
Butene C4	SP-Q-3650	Yes	Till 7500 ltrs	No	No	Yes	Yes	No	Yes	Yes	Yes	No
Butene C4	SP-T-3605	Yes	Till 7500 ltrs	No	No	Yes	Yes	No	Yes	Yes	No	No
Butene C4	SP-M-3940	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Butene C4	SP-T-3470	Yes	No	No	No	No	Yes	No	No	No	No	No
Butene C4	SP-H-3605	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No	No
Hexene C6	SP-Q-3935	Yes	Yes	No	Yes (Limited)	Yes	Yes	No	Yes	Yes	No	No
Hexene C6	SP-T-3840	Yes	Yes	Yes	Yes (Limited)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hexene C6	SP-T-3832	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EPR Recycle	SP-R-3438	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No	No

*1 Please contact us for detailed resistance chart for diffirect chemicals.

*2 Please contact us for detailed specifications.