

Stellarchem LP-830 TPE Compound

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE

Material Notes:

This grade of Stellarchem LP series is shear dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It's a soft, styrene block copolymers based, completely recyclable, colorable & non-hygroscopic thermoplastics elastomer material. It's formulated to overmold to PP thermoplastics in normal dual injection & extrusion processing. Information provided by Stellarchem Polymer & Industrial

Order this product through the following link:

http://www.lookpolymers.com/polymer_Stellarchem-LP-830-TPE-Compound.php

Physical Properties	Metric	English	Comments
Density	1.075 g/cc	0.03884 lb/in ³	
Particle Mesh Size	80 - 150 Mesh	80 - 150 Mesh	
Melt Flow	57.6 g/10 min	57.6 g/10 min	JIS K7210

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	32	32	JIS K6301
Tensile Strength, Ultimate	1.77 MPa	256 psi	JIS K6301
Elongation at Break	550 %	550 %	JIS K6301
100% Modulus	0.00392 GPa	0.569 ksi	JIS K6301
300% Modulus	0.000392 GPa	0.0569 ksi	JIS K6301
Tear Strength	10.4 kN/m	59.4 pli	JIS K6301-B

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 205 Â°C	374 - 401 Â°F	Metering Temperature, Extrusion
Rear Barrel Temperature	160 - 190 Â°C	320 - 374 Â°F	Injection Molding
	180 - 190 Â°C	356 - 374 Â°F	Extrusion
Middle Barrel Temperature	170 - 190 Â°C	338 - 374 Â°F	Injection Molding
	185 - 195 Â°C	365 - 383 Â°F	Transition, Extrusion
Front Barrel Temperature	180 - 200 Â°C	356 - 392 Â°F	Injection Molding
	195 - 210 Â°C	383 - 410 Â°F	Extrusion
Nozzle Temperature	190 - 210 Â°C	374 - 410 Â°F	Injection Molding

Processing Properties	Metric	English	Comments
	170 - 210 Â°C	338 - 410 Â°F	
Melt Temperature	170 - 210 Â°C	338 - 410 Â°F	Injection Molding
	190 - 210 Â°C	374 - 410 Â°F	Extrusion
Mold Temperature	25.0 - 40.0 Â°C	77.0 - 104 Â°F	Injection Molding
Injection Pressure	5.00 - 40.0 MPa	725 - 5800 psi	Injection Molding
Back Pressure	0.500 - 1.00 MPa	72.5 - 145 psi	Injection Molding
Screw Speed	60 - 100 rpm	60 - 100 rpm	Extrusion
	100 - 200 rpm	100 - 200 rpm	Injection Molding

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China