

Stellarchem MP-835B TPE Compound

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

Material Notes:

This grade of Stellarchem TPE is shear dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It's a soft, elastomeric polyolefin based, completely recyclable, colorable & non-hygroscopic thermoplastics elastomer material. Information provided by Stellarchem Polymer & Industrial

Order this product through the following link:

http://www.lookpolymers.com/polymer_Stellarchem-MP-835B-TPE-Compound.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Melt Flow	47.8 g/10 min	47.8 g/10 min	JIS K7210

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	36	36	JIS K6301
Tensile Strength, Ultimate	1.27 MPa	185 psi	JIS K6301
Elongation at Break	623 %	623 %	JIS K6301
100% Modulus	0.00490 GPa	0.711 ksi	JIS K6301
300% Modulus	0.000294 GPa	0.0427 ksi	JIS K6301
Tear Strength	1.08 kN/m	6.16 pli	JIS K6301-B

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	140 - 160 Â°C	284 - 320 Â°F	Injection Molding
Middle Barrel Temperature	150 - 170 Â°C	302 - 338 Â°F	Injection Molding
Front Barrel Temperature	160 - 180 Â°C	320 - 356 Â°F	Injection Molding
Nozzle Temperature	170 - 180 Â°C	338 - 356 Â°F	Injection Molding
Melt Temperature	140 - 180 Â°C	284 - 356 Â°F	Injection Molding
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	100 - 200 rpm	100 - 200 rpm	Injection Molding

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