

Dow Pellethane® 2354-65D Polyurethane Elastomer, Polyester Polycaprolactone Based (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

PELLETHANE® 2354-65D elastomer is a polyester polycaprolactone based polyurethane elastomer used in automotive applications. It allows fast molding, and once molded can be painted with polyurethane and acrylic enamels or water based elastomeric paints without a primer. Data provided by Dow Chemical. This product is no longer a part of the PELLETHANE® product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Pellethane-2354-65D-Polyurethane-Elastomer-Polyester-Polycaprolactone-Based-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Melt Flow	24 g/10 min	24 g/10 min	
	@Load 5.00 kg, Temperature 224 °C	@Load 11.0 lb, Temperature 435 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength at Break	40.0 MPa	5800 psi	Tensile stress at break.
Elongation at Break	430 %	430 %	
50% Modulus	0.0165 GPa	2.39 ksi	
100% Modulus	0.0193 GPa	2.80 ksi	
300% Modulus	0.0259 GPa	3.76 ksi	
Tear Strength	210 kN/m	1200 pli	
Taber Abrasion, mg/1000 Cycles	40	40	H22 Wheel
Compression Set	25 %	25 %	23°C.
	25 %	25 %	
	@Temperature 70.0 °C	@Temperature 158 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	117 µm/m-°C	65.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Vicat Softening Point	141 °C	286 °F	

Thermal Properties	Metric	English	Comments
Clash Berg Stiffness Temperature	-17.8 °C	-0.340 °F	

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