

Lubrizol Advanced Materials PEARLCOAT® DIPP-119 Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

PEARLCOAT® DIPP-119 is polycaprolactone copolyester based thermoplastic polyurethane, supplied in form of translucent pellets.

Featuring low melting point and excellent transparency, this product offers excellent flexibility, elasticity and easy processing.

PEARLCOAT® DIPP-119 is used mostly in extrusion applications where low melting point as well as improved adhesion over polar substrates is highly appreciated. It is ideal for PVC compounding. It is also used in solvent coatings on textile substrates. All information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLCOAT-DIPP-119-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Melt Flow	10 g/10 min @Load 21.6 kg	10 g/10 min @Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength, Yield	20.04 MPa	2906 psi	ASTM D412
Elongation at Break	750 %	750 %	ASTM D412
100% Modulus	0.00300 GPa	0.435 ksi	ASTM D412
300% Modulus	0.00400 GPa	0.580 ksi	ASTM D412
Tear Strength	50.1 kN/m	286 pli	ASTM D624 (Die C)
Abrasion	45	45	loss (mm ³); DIN 53.516

Thermal Properties	Metric	English	Comments
Melting Point	118 - 128 Å°C	244 - 262 Å°F	MQSA 111
Glass Transition Temp, Tg	-30.0 Å°C	-22.0 Å°F	DSC, 10Å°C/min; DIN 51.007

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	MQSA 44

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