

## Lubrizol Advanced Materials Pearlthane® 11T75D Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

Pearlthane® 11T75D is a polycaprolactone copolyester based TPU, supplied in form of translucent, colorless pellets, with extremely high hardness. It is especially recommended for use in producing technical parts by injection molding. Applications: Pearlthane 11T75D can be used for injection molding of a variety of technical parts. It can also be applied as base resin for extremely tough (glass reinforced) engineering compounds.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Advanced-Materials-Pearlthane-11T75D-Thermoplastic-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlthane-11T75D-Thermoplastic-Polyurethane-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D-792
Moisture Absorption at Equilibrium	<= 0.10 %	<= 0.10 %	MQSA 44
Melt Flow	10 g/10 min @Load 21.6 kg, Temperature 198 - 208 °C	10 g/10 min @Load 47.6 lb, Temperature 388 - 406 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	ASTM D-2240
Tensile Strength	50.03 MPa	7256 psi	ASTM D-412
Tear Strength	230 kN/m	1310 pli	Die C; ASTM D-624

Thermal Properties	Metric	English	Comments
Melting Point	198 - 208 °C	388 - 406 °F	Temperature range at which MFI = 10 g/10 min at 21.6 kg.; MQSA 111

Processing Properties	Metric	English	Comments
Feed Temperature	215 °C	419 °F	
Nozzle Temperature	225 °C	437 °F	
Mold Temperature	35.0 °C	95.0 °F	

Descriptive Properties	Value	Comments
Compression Zone Temperature	428 °F	
Metering Zone Temperature		

Descriptive Properties	437A°F Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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