

DiaAlloy TP-30E

Polycarbonate

Mitsubishi Rayon America Inc.

Message:

DiaAlloy TP-30E is a Polycarbonate (PC) material. It is available in North America.
Important attributes of DiaAlloy TP-30E are:
Flame Rated
Impact Resistant
Typical application of DiaAlloy TP-30E: Automotive

General Information			
Features	Good Impact Resistance		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	52.9	MPa	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	1960	MPa	ASTM D790
Flexural Strength (Yield)	77.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	290	J/m	
-30°C	400	J/m	
23°C	600	J/m	
Unnotched Izod Impact			ASTM D256
-40°C	400	J/m	
23°C	700	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	130	°C	
1.8 MPa, Unannealed	105	°C	
Vicat Softening Temperature	140	°C	ASTM D1525
Melting Temperature	230 to 270	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

