

TYNEL® U4491

Polyether Imide
Tyne Plastics LLC.

Message:
Data was measured on natural colored test specimens.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Heat Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	188	MPa	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	211	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	V-0		UL 94

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Recommended distributors for this material

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