

PrimoTuff 420E

Thermoplastic Polyolefin Elastomer

KMI Group Inc.

Message:

Thermoplastic Polyolefins are rigid products with exceptional dimensional stability and good balance of impact and toughness. PureTuff is offered in a wide range of melt flows (MFR 0.5 to 100) suitable for profile extrusion, sheet extrusion and molding applications.

Exceptional cold temperature impact. Depending on product rigidity, some products are ductile to as low as -30°C.

Excellent dimensional stability

Outstanding rigidity

Fully Weatherable

Recyclable

PPI will customize to adjust for mold shrink required by the customer

Full range of colors

General Information		
Features	Good Dimensional Stability	
	Good Impact Resistance	
	Good Toughness	
	Good Weather Resistance	
	High Rigidity	
	Low Temperature Impact Resistance	
	Recyclable Material	
Processing Method	Injection Molding	
	Profile Extrusion	
	Sheet Extrusion	
Physical	Nominal Value	Unit
Density	1.06	g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min
Mechanical	Nominal Value	Unit
Tensile Strength (Yield)	24.0	MPa
Flexural Modulus	2000	MPa
Impact	Nominal Value	Unit
Notched Izod Impact Strength		
23°C	55	kJ/m ²
30°C	5.5	kJ/m ²
Thermal	Nominal Value	Unit
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C
CLTE - Flow	4.0E-5	cm/cm/°C
Additional Information	Nominal Value	Unit

AMMS	0.70	%
Ductility	-20	°C

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Recommended distributors for this material

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