

DATASHEET

ASTM Property



Grade	V-431
Product	TPO

General Information

Key Features Flame retardant property, Heat resistance

Applications Home appliances

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	30.0
Density	ASTM D1505	g/cm ³	1.02
Mechanical			
Tensile Stress (Yield)	ASTM D638	MPa	27
Tensile Strain (Break)	ASTM D638	%	100.0
Flexural Strength	ASTM D790	MPa	-
Flexural Modulus	ASTM D790	MPa	1500
Impact			
Izod Impact Strength(notched) (23°C)	ASTM D256	J/m	67.0
Izod Impact Strength(notched) (-30°C)	ASTM D256	J/m	36.0
Thermal			
Heat Deflection Temperature(0.45MPa)	ASTM D1525	°C	115

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2021/10/01