

**ABS 0554E**

ABS

Nizhnekamskneftekhim OAO

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Izod notched impact strength, +23°C	16.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	35	MPa	ASTM D 638
Elongation at Break	45	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	90	E-6/K	ASTM D 696
Vicat Temperature	100	°C	ASTM D 1525
Thermal Conductivity, solid state	0.0245	W/(m K)	ASTM C 177

**Characteristics****Processing**

Profile Extrusion, Sheet Extrusion

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Applications**

Automotive, Packaging, Refrigeration

**Regional Availability**

Europe, Asia Pacific