

**ABS 0475E**

ABS

Nizhnekamskneftekhim OAO

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>4.5</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Izod notched impact strength, +23°C	<b>20</b>	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	<b>R 103</b>	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	<b>44</b>	MPa	ASTM D 638
Elongation at Break	<b>45</b>	%	ASTM D 638
Flexural Modulus	<b>2200</b>	MPa	ASTM D 790
Flexural Strength	<b>60</b>	MPa	ASTM D 790
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>90</b>	E-6/K	ASTM D 696
Vicat Temperature	<b>100</b>	°C	ASTM D 1525
Thermal Conductivity, solid state	<b>0.0245</b>	W/(m K)	ASTM C 177

**Characteristics****Processing**

Sheet Extrusion

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Regional Availability**

Europe, Asia Pacific