

KGT 622 is designed to produce items with superior toughness, even at low temperature. Because of its excellent impact strength – down to 0°C, and its improved creep rupture properties under internal pressure stress, is well suited for production of pressure pipes for industry, heating pipes and under floor hot water heating, domestic service pipes (hot and cold water) and weld-able fittings.

### Applications

- Pipes and tough sheet for industrial applications
- Applications requiring high resistance to temperature, pressure and aggressive media

Resin properties	Typical Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	0.35	gr/10min	ASTM D 1238
Melt Flow Rate (230 °C,5.0 kg)	1.7	gr/10min	ASTM D 1238
<b>Mechanical</b>			
Flexural Modulus	1000	MPa	ASTM D 790
Tensile Strength at Yield	28	MPa	ASTM D 638
Elongation at Yield	15	%	ASTM D 638
Notched Izod Impact at 23 °C	No Break	J/m	ASTM D 256
Izod impact Strength (notched) at -20°C	50	J/m	ASTM D 256
Rockwell hardness	75	R-B	ASTM D 785
<b>Thermal</b>			
Vicat softening point (9.8 N)	135	°C	ASTM D 1525
H.D.T. (0.46 Mpa)	75	°C	ASTM D 648