

MATERIAL PROPERTIES	VALUE	UNIT	TEST METHOD
Density	0.9	g/cm ³	ASTM D792
Flexural Modulus	14,000	kg/cm ²	ASTM D790
Elongation at Break	>500	%	ASTM D638
IZOD Impact Strength (Notched, 23°C)	>50	kg-cm/cm	ASTM D256
Rockwell Hardness	85	R Scale	ASTM D785
Tensile Strength at Yield	240	kg/cm ²	ASTM D638
Halogen Content	0	%	ISO/TS 19700
UV Resistance (Black)	>50	years	
UV Resistance (Grey)	5-10	years	
Thermal Conductivity at -20°C	0.24	W/m K	
Co-efficient of Thermal Expansion	0.15	mm/m/°C	
FIRE BEHAVIOUR			
Flame Retardancy	VO		UL 94
Flame Retardancy LOI	38.5	%	ISO 4589-2 2005
Smoke Characteristics	<10@60secs		ASTM E662
PERFORMANCE			
Max. Working Temperature	140	°C	
Min. Working Temperature	-40	°C	
JOINING METHOD			
Adhesive	>2.3	MPa	
STANDARDS COMPLIANCE			
AS / NZS 1345 "Content Identification....."			
AS / NZS 2053 "Conduits & Fittings....."			
BS / EN 61386-21 " Conduit Systems....."			
IEC 60423 "Conduit Systems....."			
ISO9001:2015 Quality Management			
ISO14001:2015 Environmental Management			