



PRODUCT DATA

EFFECTIVE

SUPERSEDES

11/83

5/83

TENNECO 3745 VINYL COMPOUND

Rigid Injection Molding

DESCRIPTION

TENNECO 3745 compound is supplied in either white or grey for rigid injection molding.

TYPICAL PROPERTIES

	<u>Value</u>	<u>ASTM</u>
Specific Gravity ($\pm .02$)	1.38	D-792
Using 0.125" Specimen		
Izod impact, ft. lbs./in. notch	2.5	D-256
Tensile yield strength, psi	7280	D-638
Tensile modulus, psi	435,000	D-638
Flexural yield strength, psi	12,400	D-790
Flexural modulus, psi	390,000	D-790
DTUL at 264 psi, °C	73	D-648
Chemical Resistance		
93% H ₂ SO ₄ , 14 days at 55°C		
Change in weight, %	0	D-543
Change in flexural yield strength, %	+2	D-543
Sweating	none	D-543
ASTM-3 Oil, 30 days at 23°C		
Change in weight, %	+0.2	D-543
Change in flexural yield strength, %	+2	D-543

FUNCTIONAL CHARACTERISTICS

Tenneco 3745 provides moldings with excellent strength properties. Recommended stock temperature is 390°F.

TYPICAL APPLICATIONS

Injection molding of PW or DWV pipe fittings; also fittings for UL and CSA applications.

ASTM CELL CLASSIFICATION

D-1784

12454B

HAZARDS AND SAFE HANDLING

Refer to OSHA Standard 29CFR 1910.1017 on vinyl chloride, which requires monitoring and other precautions in storage, handling and use of PVC and specifies the labeling "contains vinyl chloride - vinyl chloride is a cancer suspect agent."

Adequate ventilation at work areas, particularly enclosed spaces, is required. For hot processing local exhaust, safety glasses and gloves are recommended.

A Material Safety Data Sheet (MSDS) for this product is available from your salesman.

The MSDS provides additional information regarding the safe handling of this product.

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