

# High Impact Polystyrene (COMPRZ)

COMPRZ is a high impact resistant Polystyrene. It has a lower modulus, better elongation, and is a lot less brittle than crystal styrene. This compound is designed for applications requiring the following properties:

- *Flame Retardant*
- *FDA 21 CFR 177.1640*
- *High Impact Resistance*
- *Good dimensional stability*
- *High Gloss*
- *Low volatility*

Some uses include: Tubing, Appliance components, Housings, Covers, and Food contact.

Typical Properties	Nominal Value	ASTM Test Method
Specific Gravity	1.04	D-792
Hardness (R-scale)	103	D-785
1/8" Izod Impact, ft/lbs in notch	1.8	D-256
Tensile Strength, 10 <sup>3</sup> psi Break (injection molded)	2.76	D-638
Tensile Modulus, 10 <sup>5</sup> psi	2.61	D-638
Flexural Strength, 10 <sup>3</sup> psi (injection molded)	5.22	D-790
Flexural Modulus, 10 <sup>5</sup> psi (injection molded)	2.76	D-790
DTUL @264 psi, °C unannealed	78.0	D-648
Coefficient of Linear Thermal Expansion	5.00x10 <sup>-5</sup> in/in °F	D-696
Flame Class	HB	UL-94